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### FAX COVER SHEET

TO: Examiner Peter Paras, Jr. COMPANY NAME: United States Patent and  
Trademark Office

FROM: Alice O. Martin TELECOPY NO.: 703-308-8724

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Re: **Inventors: Bosworth et al.**  
**Title: INTERACTIONS BETWEEN GENOTYPE**  
**AND DIET IN SWINE THAT PREVENT**  
**E. COLI ASSOCIATED INTESTINAL DISEASE**  
**Filing Date: September 18, 1998**  
**Serial No. 09/151,592**  
**Our Ref. No. 21419/90119**

Examiner Paras

Here is a copy of Claim 1 as were are proposing to amend it

**PLEASE SIGN AND RETURN TO ACKNOWLEDGE RECEIPT OF FAX**

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**AMENDMENTS TO PROPOSED CLAIM 1**  
**SERIAL NO. 09/151,592**

1. A method for improving weight gain in swine that are susceptible to F18 *E. coli* colonization and challenged by *E. coli*, said method comprising:
- a) selecting susceptible swine having a base other than adenine at position 307 of the nucleotide sequence encoding FUT1 as set forth in SEQ ID NO:1; and
  - b) feeding said challenged swine, postweaning, a nursery diet comprising at least 40% (34%?) animal-based proteins.

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